



STATE OF WASHINGTON
STATE BUILDING CODE COUNCIL

TAG Approved
As Modified
5/12/22
21-GP2-078

Log No. _____

1. State Building Code to be Amended:

- International Building Code
- ICC ANSI A117.1 Accessibility Code
- International Existing Building Code
- International Residential Code
- International Fire Code
- Uniform Plumbing Code

- International Mechanical Code
- International Fuel Gas Code
- NFPA 54 National Fuel Gas Code
- NFPA 58 Liquefied Petroleum Gas Code
- Wildland Urban Interface Code

For the Washington State Energy Code, please see specialized [energy code forms](#)

Section(s):

WSMC 1305.7

Title:

Vent Piping

2. Proponent Name (Specific local government, organization or individual):

Proponent: **Eric Vander Mey, Rushing**

Title: **Principal**

Date: **4/8/2022**

3. Designated Contact Person:

Name: **Eric Vander Mey, Rushing**

Title: **Principal**

Address: **4/8/2022**

Office Phone: **206-285-7114**

Cell: **206-321-1677**

E-Mail address: **ericv@rushingco.com**

4. Proposed Code Amendment. Reproduce the section to be amended by underlining all added language, striking through all deleted language. Insert new sections in the appropriate place in the code in order to continue the established numbering system of the code. If more than one section is proposed for amendment or more than one page is needed for reproducing the affected section of the code, additional pages may be attached.

Clearly state if the proposal modifies an existing amendment or if a new amendment is needed. If the proposal modifies an **existing amendment**, show the modifications to the existing amendment by underlining all added language and striking through all deleted language. If a new amendment is needed, show the modifications to the **model code** by underlining all added language and striking through all deleted language.

Code(s) WSMC **Section(s)** 1305.7

Enforceable code language must be used.

Amend section to read as follows:

See proposed changes below in red, underline with track changes.

~~BUILDING OPENING. Any opening in the exterior wall of the building including outdoor air intakes, exhaust air outlets, relief air outlets, plumbing vent outlets, combustion vent inlets and outlets, operable windows, doors, fixed openings into open or closed parking garages, and other similar exterior wall openings.~~

1305.7 Vent Piping. Liquid fuel vent pipes shall terminate outside of buildings at a point not less than 52 feet (610 mm) ~~measured vertically or horizontally from any building opening~~from building openings and not less than 15 feet from outdoor air intakes. Outer ends of vent pipes shall terminate in a weatherproof vent cap or fitting or be provided with a weatherproof hood. Vent caps shall have a minimum free open area equal to the cross-sectional area of the vent pipe and shall not employ screens finer than No. 4 mesh. Vent pipes shall terminate sufficiently above the ground to avoid being obstructed with snow or ice. Vent pipes from tanks containing heaters shall be extended to a location where oil vapors discharging from the vent will be readily diffused. If the static head with a vent pipe filled with oil exceeds 10 pounds per square inch (psi) (69 kPa), the tank shall be designed for the maximum static head that will be imposed.

Liquid fuel vent pipes shall not be cross connected with fill pipes, lines from burners or overflow lines from auxiliary tanks.

Exception: Liquid fuel vent pipes may terminate outside the building at a point not less than 2 feet from the fuel oil equipment combustion exhaust outlet.

5. **Briefly explain your proposed amendment, including the purpose, benefits and problems addressed.** Specifically note any impacts or benefits to business, and specify construction types, industries and services that would be affected. Finally, please note any potential impact on enforcement such as special reporting requirements or additional inspections required.

Update section to be consistent with NFPA 30 Section 27.8.1

27.8.1 Vent Piping for Aboveground Storage Tanks.

27.8.1.1 Where the outlets of vent pipes for tanks storing Class I liquids are adjacent to buildings or public ways, they shall be located so that vapors are released at a safe point outside of buildings and not less than 12 ft (3.6 m) above the adjacent ground level.

27.8.1.2 Vapors shall be discharged upward or horizontally away from adjacent walls.

27.8.1.3 Vent outlets shall be located so that vapors will not be trapped by eaves or other obstructions and shall be at least 5 ft (1.5 m) from building openings and at least 15 ft (4.5 m) from powered ventilation air intake devices.

6. **Specify what criteria this proposal meets.** You may select more than one.

- The amendment is needed to address a critical life/safety need.
 The amendment clarifies the intent or application of the code.
 The amendment is needed to address a specific state policy or statute.
 The amendment is needed for consistency with state or federal regulations.
 The amendment is needed to address a unique character of the state.
 The amendment corrects errors and omissions.

7. **Is there an economic impact:** Yes No

If no, state reason: [Clarify code to be consistent with NFPA 30](#)

If yes, provide economic impact, costs and benefits as noted below in items a – f.

- a. **Life Cycle Cost.** Use the OFM Life Cycle Cost [Analysis tool](#) to estimate the life cycle cost of the proposal using one or more typical examples. Reference these [Instructions](#); use these [Inputs](#). Webinars on the tool can be found [Here](#) and [Here](#)). If the tool is used, submit a copy of the excel file with your proposal submission. If preferred, you may submit an alternate life cycle cost analysis.
- b. **Construction Cost.** Provide your best estimate of the construction cost (or cost savings) of your code change proposal.

[Click here to enter text./square foot](#)

(For residential projects, also provide [Click here to enter text./ dwelling unit](#))

Show calculations here, and list sources for costs/savings, or attach backup data pages

- c. **Code Enforcement.** List any code enforcement time for additional plan review or inspections that your proposal will require, in hours per permit application:

- d. *Small Business Impact.* Describe economic impacts to small businesses:
- e. *Housing Affordability.* Describe economic impacts on housing affordability:
- f. *Other.* Describe other qualitative cost and benefits to owners, to occupants, to the public, to the environment, and to other stakeholders that have not yet been discussed:

Please send your completed proposal to: sbcc@des.wa.gov

All questions must be answered to be considered complete. Incomplete proposals will not be accepted.